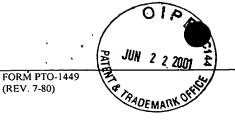
٠	•		01P					Sheet 1 of 8
FORM PTO-	1449		5		US. DEPARTMENT OF COMMERCE	ATTY. D	OCKET NO.	SERIAL NO.
(REV. 7-80)	P	JUI	V 2 2 2001 \$		PATENT AND TRADEMARK OFFICE	RD- 28,3	97	09/681,879
	PALE	Ž,	<i>\\$\\</i>			Applicant		
INFO	RMA ⁾	ŃO.	N DISCOSUL	RE STATE	MENT BY APPLICANT	Carnahan	, et al.	
			<u>L151</u>	OI IILIM	2	Filing Da	te	Group . 7.4/3
						6.2	0.01	1743
				U	S. PATENT DOCUMENTS			
*EXAMIN	ER		<u> </u>			T	<u> </u>	FILING DAY
INITIAL			OCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	IF APPROPRIATE
as	 -	A1	4,104,231	08/01/78	Mark, et al.		3	ATROMIATE P
1		A2	4,108,820	08/22/78	Mark, et al.			> 4
		A3	4,123,413	10/31/78	Mark, et al.		· · · · · ·	
		A4	4,148,773	04/10/79	Mark, et al.			7>
as		A5	4,350,495	09/21/82	Broutman, et al.			0
				FOR	EIGN PATENT DOCUMENTS			`
			DOCUMENT		T	T	1	TRANSLATION
•			NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO
		B1	WO	10/14/99	WO			
as			99/51980					
a8		B2	WO	02/24/00	wo			·
w			00/09255			<u> </u>		
	Cl				ON (Including Author, Title, Date, For			nce and FTIR",
•		7	Olymer Degrad .	Stab., volume	55, pages 287-293 (1997)			
	-C2	.	-11C F- "O		From Polypropylene", J. Polym. S	oi Volume	50 pages 00-	106 (1061)
	CZ	7	Ashby, G.E. Ox	yrummescence	ertom ratypropytene , 3. 1 otym. 3	C., VIIIIII	Lin, pages 22	
	C3				iluminescence to the Study of Photo	stability of	Automotive C	oatings" Polymer
		1	Degrad. Stab., vo	olume 60, page	es 351-365 (1998)			
	C4				Kroehnker, "Chemiluminescence fi			
		1	<u>Study of Antioxic</u>	lant-Effectives	ness" <i>Polymer Degrad, Stab.</i> , volum	ne 51, numb	per 2, pages 11	<u>5-124 (1996)</u>
	C5				minescence to Study the Kinetics o			
		-	Dev. Polym Deg	<i>radation</i> , vol	ume 3, pages 173-206 (London: Ap	plied Scien	ce Publishers,	1981)
	C6	F	Josoda, S., Yosh	inori, et al., "C	Chemiluminescence Imaging of Pov	lmer Mater	ials Under The	rmal Oxidation and
	C6 Hosoda, S. Yoshinori, et al., "Chemiluminescenice Imaging of Poylmer Materials Under Thermal Oxidation Stress" Polymer volume 34, number 22, pages 4602-4606 (1993)							
	67				D 1 51	1 2	100 112 (1	00()
	C7-		acoy, D.J. and	V. Du dler, Pol	lymer Degrad. Stab., volume 51, no	moer 2, pa	Jes 109-113 (1	990) -
	C8		acey D.I. and '	V Dudler "Cl	nemiluminescence from Polypropyl	ene Part l	Imagina The	mal Oxidation of
		Í	Jnstabilized Film	" Polymer De	egrad. Stab., volume 51, pages 101.	108 (1996)	, magni g i n e	inal Oxidation of 3
EXAMIN	ER.		11	//	4	DATE C	ONSIDERED	
		l	Mille 2	Solve		9/	23/0	3
EXAMINE	ER: In	itial i	f reference consi	dered, whether	r or not citation is in conformance	with MPEP	609; Braw line	through citation if
not in conf	orman	ce an	a not considered	. Include cop	y of this form with next communica	tion to appl	icant	

	,	010	,				Sheet 2 of 8
FORM PTO-14 (REV. 7-80)	- /	<u> </u>	<u> </u>	US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ŧ	OCKET NO.	SERIAL NO.
(KEV. 7-60)	PAIEN	JUN 2 2 2001		TATENT AND TRADEMARK OFFICE	RD- 28,3	97	09/681,879
INFOR	,	STATE THAT I	/ RE STATE OF ITEMS	EMENT BY APPLICANT	Applicant Carnahan		
				-	Filing Da	te 20.0/	Group 1743
			U	S. PATENT DOCUMENTS			
*EXAMINE	R	<u> </u>	T	T	1	1	FILING DATE
INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	IF APPRODIATE
Q8	Al	4,565,684	01/21/86	Tibbetts, et al.		نــــــن	(S)
1	A2	4,572,813	02/25/86	Arakawa	-		, 'CX
	A3	4,663,230	05/05/87	Tennent		<u> </u>	106
	A4	4,816,289	03/28/89	Komatsu, et al.	,		7
as	A5	4,876,078	10/24/89	Arakawa, et al.			10
		1	FOR	EIGN PATENT DOCUMENTS	· · · · · · · · · · · · · · · · · · ·	·T	1700
-		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO
-0	B1	WO	06/22/00	WO	CEASS	BOBCEAGG	TES NO
as	D1	00/36410	00/22/00				
	B2	WO	07/13/00	WO			
as-		00/40331	07713700				
	Cl	Wendlandt, W. "	Thermophoto	N (Including Author, Title, Date, F	•		s 559-626 New
		York: Wiley-Inter	science, 1985	-(Page 610)			
	C2	Zlatkevich et al. "	Chemilumine	scence in Studying the Thermal Ox	idation of R	ubber Compo	unds" Polymer
		Degrad. Stab., (19				•	
	C3	Zlatkevich, L. "Cl	nemiluminesc	ence in Thermal Oxidation of Polyi Ser. (1985), 280 (Polym. Stab. Degi	mers: Appar	atus and Meth	od" (POLA Co .,
		DRORIE, IL.	4100 Dymp. c	··· (**)	,,		
	C4-	Zlatkevich, L. "Cl	nemiluminesc	ence Apparatus and Method for Stu	idying Ther	mal Oxidative	Stability of
				IL, USA) Polym. Eng. Sci. (1984)			
	C5	Zlatkevich L "Cl	nemiluminesc	ence in Thermal Oxidation of Poly	mers. The /	Apparatus and	Method" (POLA
				olymer Preprints (AM Chem Soc.			
	C6						
			, 7	were were no the artin e references of	0 100	urnal	article
	C7						
		preser	it in	the artin	flue	apple	catron
	C8		1			1	//
		50 9/1	1 thos	e reterences a	wc/	ined f	hrough
EXAMINE	₹	anden!	Loden	larest	DATEC	ONSIDERED	3
		4/1	P	17:000	1 7/		

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant

×		010		•			Sheet 3 of 8
FORM PTO-1449	9/	6./		US. DEPARTMENT OF COMMERCE	ATTY. D	OCKET NO.	SERIAL NO.
REV. 7-80)	PATER	V 2 2 2001 4		PATENT AND TRADEMARK OFFICE	RD-28,39		09/681,879
	13	4			Applicant		
INFORM	AATYÕE	n Segaration	RE STATE	MENT BY APPLICANT	Carnahan		
111014			OF ITEMS		1		
		<u> LIJI</u>	OI II DIVIE	2	Filing Da	te	Group /
					Filing Da	10.01	1743
			U	S. PATENT DOCUMENTS			AR
*EXAMINER	<u> </u>		T				FILING DATE
INITIAL		OCUMENT	DATE	. NAME	CLASS,	SUBCLAS	IF AUG
		NUMBER			<u>L</u>	S	APPROPRIATE
Co8	A1	4,968,148	11/06/90	Chow, et al.	-		10 30
1	A2	5,024,818	06/18/91	Tibbetts, et al.			·
	A3	5,112,134	05/12/92	Chow, et al.			· CO_
	A4	5,165,909	11/24/92	Tennent, et al.			
as	A5	5,270,164	12/14/93	Anderson, et al.			· · · · · · · · · · · · · · · · · · ·
			FOR	EIGN PATENT DOCUMENTS			
		DOCUMENT		j			TRANSLATION
		NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES NO
	B1			 	 		
	B2		<u>i.</u>		<u> </u>	<u> </u>	
C	21	OTHER IN	FORMATIO ————	N (Including Author, Title, Date, F	Pertinent Pag	ges, etc.)	*
							
C	C2			1			
				1			
	23					_,	
	رج						
	C4				. v		
C	25		•				
	_						
0	C6			1	•		
				1			
	7						
	′			/			
				/			
<u> </u>	28						
				/			
				/	_		
EXAMINER		0 1	, 1	/ /	DATE C	ONSIDERED	,
		(/. //	1 Am	lengent	9	1/27/	23
						<u>عرار کی ہ</u>	
XAMINER:	Initial if	reference consid	dered, whether	r or not citation is in conformance	with MPEP	buy; Draw line	e through citation if
ot in conforn	nance and	not considered.	include copy	of this form with next communica	tion to appl	cant	



US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. RD-28,397

SERIAL NO.

09/681879

INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS

Applicant Carnahan, et al.

Filing Date 6.20.01 Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	_	OCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
as	Al	5,401,465	03/28/95	Smethers, et al			· Ch
1	A2	5,589,152	12/31/96	Tennent, et al.			700
	A3 ·	5,591,382	01/07/97	Nahass, et al.			> 1
	A4	5,643,535	07/01/97	Smethers, et al.			(C *2)
08	A5	5,657,118	08/12/97	Lee			7, 07

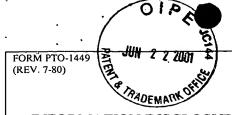
FOREIGN PATENT DOCUMENTS

-		DOCUMENT NUMBER	DATE	cgU	JNTRY	CLASS	SUBCLASS	TRANSL YES	ATION NO
	B1								
	B2			/				l	

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

. C1	
C2	
C3	
C4	
C5	
C6	
C7	
C8	
EXAMINER	DATE CONSIDERED

aden Sodingrus



US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE ATTY. DOCKET NO. RD-28,397

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT **LIST OF ITEMS**

Applicant Carnahan, et al.

Filing Date 6-20-01

Group

U.S. PATENT DOCUMENTS

	*EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRATE
	G8	Al	5,716,583	02/10/98	Smethers, et al.			
1	40	AI	3,710,363	02/10/98	Silictions, et al.			
		A2	5,818,599	10/06/98	Plavnik, et al.			100
		A3	5,840,256	11/24/98	Demers, et al.			> 1
	1	A4	5,846,396	12/08/98	Zanzucchi, et al.			C , 200
	as	A5	5,849,495	12/15/98	Bronstein, et al.			7

FOREIGN PATENT DOCUMENTS

•		DOCUMENT NUMBER	DATE	COUNT	ΓRY	CLASS	SUBCLASS	TRANSL YES	ATION NO
	B1								
	B2		1	(

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

CI	/
C2	
C3	
C4	
C5	
C6	
C7	
C8	
EVAMINED	 DATE CONSIDERED



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

LIST OF ITEMS

US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. RD-28,397

SERIAL NO. 09/681,879

Applicant

Carnahan, et al.

Filing Date

Group

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER		DATE	NAME	CLASS	SUBCLAS S	FILING DATE IF APPROPRIATE
as	Al	5,854,684	12/29/98	Stabile, et al.			400
,	A2	5,876,946	03/02/99	Burbaum, et al.			> . !
	A3	5,888,454	03/30/99	Leistner, et al.			*200
1.	A4	5,965,736	10/12/99	Akhavan-Tafti			C 7 007
as	A5	5,985,356	11/16/99	Schultz, et al.			10

FOREIGN PATENT DOCUMENTS

•		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSL YES	ATION NO
	B1			/		_		
	B2							

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

-	Cl	
	C2	
	C3	
	C4	
	C5	
	C6	
	C7	
	C8	
EXAMINE	R	DATE CONSIDERED

FORM PTO-1449 (REV. 7-80)

US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. RD-28,397

SERIAL NO.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT LIST OF ITEMS

Applicant Carnahan, et al.

Filing Date 6.20.01 Group

U.S. PATENT DOCUMENTS

*EXAMINER							FILING DATE
INITIAL	D	OCUMENT	DATE	NAME	CLASS	SUBCLAS	IF 🔨
		NUMBER	_1			S _	APPROPRIATE
C18	A1	6,020,141	02/01/00	Pantoliano, et al.			(C)\range \(\)
ī	A2	6,034,775	03/07/00	McFarland, et al.			ALL
	A3	6,036,920	03/14/00	Pantoliano, et al.			1067
	A4	6,043,038	03/28/00	Sivaraja, et al.			\$ 20
as	A5	6,045,671	04/04/00	Wu, et al.			1C

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUN	RY	CLASS	SUBCLASS	TRANSL YES	ATION NO
B1				_				
B2								

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

•	C1		
	C2		
	C3		
		j	
	C4		
			•
	C5		
		- /	
	C6	$\neg T$	
	C7	7	
		/	
	C8		
EXAMIN	ER		DATE CONSIDERED

FORM PTO-1449 (REV. 7-80)

US. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO. RD-28,397

SERIAL NO.

Applicant

Carnahan, et al.

Filing Date Group

INFORMATION DISCLOSURE STATEMENT BY APPLICANT **LIST OF ITEMS**

U.S. PATENT DOCUMENTS

1					_		
*EXAMINER INITIAL	D	OCUMENT NUMBER	DATE	NAME	CLASS	SUBCLAS	FLANG DATA IF APPROPRIATE
al	Al	6,057,163	05/02/00	McMillan			(<0p
98-	A2	6,071,748	06/06/00	Modlin, et al.			\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
as	A3	6,097,025	08/01/00	Modlin, et al.			100
	A4						90
	A5						

FOREIGN PATENT DOCUMENTS

ď		DOCUMENT NUMBER	DATE	COU	NTRY	CLASS	SUBCLASS	TRANSL YES	ATION NO
	Bl				/			_	
	B2								

OTHER INFORMATION (Including Author, Title, Date, Pertinent Pages, etc.)

	C1	
•	C2	
	C3	
-	C4	
	C5	
	C6	
	C7	
	C8	
EVAMIN	ED	DATE CONSIDERED

EXAMINER